NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) **San Angelo, TX**
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH **May** YEAR **2009**
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE Jason Johnson DATE **June 15, 2009**

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

X An X inside this box indicates that no flooding occurred within this hydrologic service area.

Across the San Angelo HSA, total rainfall amounts during the month of May varied considerably. Areas across the HSA received as much as five to six inches of rain, while other areas received less than 0.25 of an inch.

On the 1st and 2nd of the month, the approach of a cold front produced thunderstorms and showers across the Big Country and into the northern Concho Valley and northern Heartland. These storms brought one to two inches of rain across portions of the northern Big Country. On the 8th, as another cold front pushed across the region, thunderstorms concentrated across the Heartland area. These storms produced very heavy rain over northern McCulloch and San Saba Counties up through Brown County. As much as three inches of rain fell over parts of these counties. A week upper level disturbance initiated storms and rain showers across the Northern Edwards Plateau and southern Concho Valley late on the 12th. Along the Pecos River into Crockett County, areas received one to two inches of rain. Outside of this area, rainfall amounts were generally less than 0.50 of an inch. Late on the 15th into the 16th, a weak disturbance set off showers and thunderstorms across much of the HSA. The heavier rainfall amounts occurred over the southeast portions of the Big Country where two to three inches of rain fell. The Abilene Airport set a new daily record rainfall amount on the 16th by recording 2.01 inches of rain. From the 23rd through the 26th, several disturbances rotating around an upper low to the west brought numerous rain showers across much of the HSA. Most all areas recorded measurable rain. The heavier amounts of one to two inches of rain were scattered along the southern Big Country and northern Concho Valley. Another good rainfall event occurred across the southern half of the HSA on the evening of the 28th. The heaviest rainfall amounts were reported across Kimble County where isolated areas received over five inches of rain.

The average precipitation reported from coop observers in May was 2.30 inches. The highest monthly precipitation total of 6.07 inches was reported in Brown County. Coop observers in Brown, Callahan, Coleman, Nolan, Sterling, Sutton and Throckmorton Counties received over 3.00 inches of rain in May.

The San Angelo Regional Airport received 0.12 of an inch of precipitation during May, which was 2.97 inches below normal for the month. The monthly normal rainfall for San Angelo in May is 3.09 inches. This tied the record for the third driest May at San Angelo.

The Abilene Regional Airport received 3.28 inches of precipitation during May, which was 0.45 of an inch above normal for the month. The monthly normal rainfall for Abilene in May is 2.83 inches.

Junction received 2.55 inches of rain during May. The estimated average monthly rainfall in May is about 3.25 to 3.50 inches.

Coop Observer Rainfall Totals for May, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Acton Ranch	2.20		Paint Rock	1.21
Albany	1.02		Putnam	4.11
Anson	1.19		Red Bluff Crossing	2.38
Ballinger 2NW	2.54		Roscoe	1.45
Blackwell 6NE	4.05		Rotan	2.67
Brownwood	6.07		San Angelo WFO	0.54
Coleman	1.07		San Saba 7NW	1.15
Concho Park	2.23		Santa Anna 12SSE	2.34
Eldorado	2.53		Silver Valley	1.55
Fort McKavett	1.65		Sonora	3.02
Glen Cove 2NE	3.32		Stamford	2.39
Hamlin	2.22		Sterling City	5.78
Haskell	2.92		Telegraph	2.24
Lawn	1.96		Throckmorton 7NE	5.35
Menard	1.74		Water Valley	1.35
Mertzon 12WNW	1.00		Water Valley 11NE	0.97
Ozona	1.72		Winters	2.38
Ozona 22SE	2.07		Woodson	1.38
			(M) *Missing data*	
			(T) *Trace*	

Reservoir Conditions (end of May, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	55,760	80
Lake Stamford	52,700	33,250	64
Hubbard Creek Lake	317,800	246,140	77
Hords Creek Lake	8,800	4,700	58
Lake Brownwood	131,428	97,200	74
E.V. Spence	488,760	42,350	8
O.C. Fisher	119,200	5,180	4
O.H. Ivie	554,340	280,100	51
Twin Buttes	177,800	55,390	31

Hydro Products Issued

FFW = 3
FFS = 3
FLS = 11 (Urban/Small Stream Advisory)
ESF = 1
DGT = 1

The NWS precipitation analysis can be viewed at http://water.weather.gov/.

The total monthly precipitation estimate and percent of normal precipitation for May across the San Angelo HSA is depicted below.